

**PUBLIC WORKS COMMITTEE
CITY HALL CONFERENCE ROOM
AUGUST 8, 2016
5:00 P.M.**

AGENDA

- I. CALL TO ORDER
- II. CONSENT AGENDA
 - A. Minutes (page 1)
- III. NEW BUSINESS
 - A. Vehicle Purchase – Public Works/Building Inspector – Discussion
 - B. Generator Service Contracts
- IV. OLD BUSINESS
 - A. 2017 Proposed Budget (page 5)
 - B. VOC Water Treatment Plant Project
 - 1. Bid Results
 - 2. Property Purchase
 - C. 2016 Street Project – Update
 - D. 2017 Street Project – Update
- V. INFORMATIONAL
- VI. ADJOURN

***** Please call or email Ron at 320-243-3714 ext. 230 or at ron@paynesvillemn.com if you are not able to attend the meeting.*****

Members: Dave Peschong, Neil Herzberg, Melvin Schaefer, Keith Hemmesch, and Matt Quade – or his proxy.

Advisory Members: Chuck DeWolf, Ron Mergen, and Renee Eckerly

This agenda has been prepared to provide information regarding an upcoming meeting of the Paynesville Public Works Committee. This document does not claim to be complete and is subject to change.

BARRIER FREE: All Paynesville Public Works Committee meetings are accessible to the handicapped. Attempts will be made to accommodate any other individual need for special services. Please contact City Hall (320) 243-3714 early so necessary arrangements can be made.

REQUEST FOR COMMITTEE/COUNCIL ACTION

COMMITTEE/COUNCIL NAME: Public Works Committee

Committee/Council Meeting Date: August 8, 2016

Agenda Section: Consent

Originating Department: Public Works

Item Number: II - A

ITEM DESCRIPTION: Minutes

Prepared by: Staff

COMMENTS:

Please review the minutes from the June 13, 2016 and July 11, 2016 Public Works Committee meetings.

ADMINISTRATOR COMMENTS:

COMMITTEE/COUNCIL ACTION:

Motion to approve the minutes of the June 13, 2016 and July 11, 2016 Public Works Committee meetings.

**MINUTES
PUBLIC WORKS COMMITTEE**

JUNE 13, 2016

The meeting was called to order by Chairperson Mel Schaefer at 5:00 p.m. Members present were Matt Quade, Dave Peschong, Keith Hemmesch, and Neil Herzberg. Advisory members present were Ron Mergen, Public Works Director and Chuck DeWolf, Bolton & Menk, Inc.

Motion was made by Peschong to approve the minutes of the April 11, 2016 and May 9, 2016 Public Works Committee meetings. Seconded by Herzberg and unanimously carried.

SEWER JETTING

Two quotes were reviewed with the low from Johnson Jet –Line in the amount of \$8,550.00 and the other from Visu Sewer in the amount of \$9,490.00. Members reviewed the annual cleaning map. It was reported that the City is in a cleaning rotation of all mains once every five years with the problem areas cleaned each year. Problem areas are mainly older clay tile with root problems. Sub-contracting was also noted as the best option as contractors have vacuum machines with their units which vacuum up the debris; whereas, staff would have to crawl down the manhole and remove the debris manually, thus the contractors can do the cleaning in a day what will take City crews weeks.

Motion was made by Herzberg to approve the quote from Johnson Jet Line in the amount of \$8,550.00 and recommend such to the City Council. Seconded by Quade and unanimously carried.

VOC TREATMENT PLANT

DeWolf presented the plans for the proposed VOC treatment plant. The water will be intercepted prior to entering the treatment plant and diverted into the VOC tower where it will flow through the stripping tower and then will need to be pumped into the water plant. The schedule was reviewed with the bid opening July 20th, construction to start in September of 2016, with completion to be June of 2017.

Motion was made by Peschong to approve the plans and specifications and advertise for bids for the VOC treatment plant and recommend such to the City Council. Seconded by Hemmesch and unanimously carried.

2016 STREET PROJECT

DeWolf reported that the pond has been constructed and the milling of Minnie St. is scheduled for Monday June 20th with pipe work to follow.

There being no further business, the meeting was adjourned at 5:25 p.m.

**MINUTES
PUBLIC WORKS COMMITTEE**

JULY 11, 2016

The meeting was called to order by Chairperson Mel Schaefer at 5:00 p.m. Members present were Matt Quade, Dave Peschong, Keith Hemmesch, and Neil Herzberg. Advisory members present were Ron Mergen, Public Works Director and Chuck DeWolf, Bolton & Menk, Inc.

There were no minutes available for approval.

2017 PROPOSED BUDGET

It was noted that the completed budgets will be presented at the August meeting. Discussion points included:

- Replacing the lift on the boom truck, no estimated cost at this time
- Budgeting for a future shop

VOC TREATMENT PLANT

Members were informed that DeWolf and Mergen attended a meeting with the Department of Health (MDH) to clarify several items on the VOC point plant. Mainly the MDH wanted to hear that the City understands that it will not achieve 100% removal, 100% of the time. Also several clarifications on the pilot study as to which contaminants were utilized and why. MDH also noted that the study had used 2 columns of pipe; however, in the design there is only one and the results may differ. The proposed bid date has been rescheduled for August 3, 2016 at 11:00 a.m.

2016 STREET PROJECT

DeWolf updated members on the progress noting the water main is completed on Lake Ave. as well as the main under the river. The pond is also substantially complete. Currently the contractor is working on services on Lake Ave. The contractor plans to start rebuilding Lake Ave. and work on the over lay portion of the project while the pipe work is being done on Minnie St.

2017 STREET PROJECT

DeWolf presented the 2017 Street Project preliminary engineering report including:

- The scope of the project is Lake Ave. from the Bridge St. to TH 23
- Two options were presented:
 - 40 foot roadway with curb and gutter as a traditional street
 - Two 20 foot roads with a median down the center with street lighting and trees to enhance aesthetics, cost for the center median would be and additional \$200,000.00.

Members discussed the additional cost should be assessed to the benefiting property and not a City cost.

Also reviewed was the second portion of the project which is to mill and overlay various streets throughout the City, the reconstruction of Darby Lane, and curb and gutter on the alley at 320

Stearns Ave. The total project cost is estimated at \$1,532,000.00 the assessment rates per linear foot are estimated at:

Mill & Overlay	\$14.98
Darby Lane	\$13.62
Oak Park Ave.	\$18.10
Alley improvement	\$16.43

The assessment for Lake Ave. North is being discussed with the property owner.

Motion was made by Peschong to approve the report and call for the public hearing and recommend such to the City Council. Seconded by Quade and unanimously carried.

There being no further business, the meeting was adjourned at 5:30 p.m.

CITY OF PAYNESVILLE
 PROPOSED BUDGET REPORT
 AS OF: JULY 31ST, 2016

100-GENERAL FUND
 STREETS AND ALLEYS

EXPENDITURES	(------ 2016 -----) (------ 2017 -----)							
	2013 ACTUAL	2014 ACTUAL	2015 ACTUAL	CURRENT BUDGET	Y-T-D ACTUAL	PROPOSED BUDGET	VARIANCE	PERCENT VARIANCE
100-5-4220-1000 SALARIES	30,665	33,569	34,378	33,010	17,878	35,710	2,700	8.18
100-5-4220-1060 FICA WITHHOLDINGS	1,846	1,961	1,996	2,047	1,097	2,202	155	7.57
100-5-4220-1070 PERA WITHHOLDINGS	2,034	2,217	2,386	2,304	1,312	2,483	179	7.77
100-5-4220-1080 MEDICARE WITHHOLDINGS	432	459	467	479	257	515	36	7.52
100-5-4220-1090 HEALTH INSURANCE	3,730	3,746	4,209	4,825	2,519	5,545	720	14.92
100-5-4220-1180 ENGINEERING	323	1,783	1,025	1,000	0	1,000	0	0.00
100-5-4220-1290 PROFESSIONAL SERVICES (SAFETY)	1,197	1,340	1,029	1,500	0	1,500	0	0.00
100-5-4220-1300 PROFESSIONAL SERVICES (LEGAL)	520	78	8	200	26	200	0	0.00
100-5-4220-1311 PROFESSIONAL SERVICES (GENERAL)	105	576	367	500	45	500	0	0.00
100-5-4220-1312 PROFESSIONAL SERVICES (UNION)	0	0	0	0	94	0	0	0.00
100-5-4220-1350 PHYSICALS	0	215	0	0	0	0	0	0.00
100-5-4220-2000 POSTAGE	40	197	65	200	45	200	0	0.00
100-5-4220-2020 TELEPHONE	330	297	306	400	143	1,050	650	162.50
100-5-4220-2100 PRINTING & PUBLISHING	266	0	158	300	113	300	0	0.00
.00-5-4220-2200 UTILITIES	1,379	1,776	1,154	2,000	509	1,022	(978)	48.90-
.00-5-4220-2300 TRAVEL & SCHOOLS	0	0	0	0	0	50	50	0.00
.00-5-4220-2400 MAINTENANCE & REPAIR OF EQUIP	7,431	3,471	5,271	9,000	3,955	9,500	500	5.56
.00-5-4220-2700 MAINTENANCE & REPAIR OF STREET	14,871	16,705	26,794	24,000	5,976	25,000	1,000	4.17
.00-5-4220-3000 GENERAL/OFFICE SUPPLIES	1,325	593	296	1,000	268	1,000	0	0.00
.00-5-4220-3300 MOTOR FUELS & LUBRICANTS	6,178	4,551	2,010	5,000	317	2,500	(2,500)	50.00-
.00-5-4220-3811 UNIFORMS	1,019	1,112	800	1,500	393	1,700	200	13.33
.00-5-4220-3820 REFUSE COLLECTION	796	754	871	850	405	900	50	5.88
.00-5-4220-4100 INSURANCE AND BONDS	4,221	5,089	6,982	7,756	0	4,408	(3,348)	43.17-
.00-5-4220-4110 WORKERS' COMP INS	5,178	6,964	5,425	4,637	0	4,637	0	0.00
.00-5-4220-4300 SUBSCRIPTIONS & MEMBERSHIPS	266	270	398	300	402	400	100	33.33
.00-5-4220-4590 LICENSES & PERMITS	0	144	0	150	80	150	0	0.00
.00-5-4220-5200 NEW EQUIPMENT	1,396	1,834	1,672	2,000	1,396	2,500	500	25.00
.00-5-4220-5300 EQUIPMENT RENTAL/LEASE	393	537	607	500	225	600	100	20.00
.00-5-4220-5400 TF TO CAPITAL IMP	12,000	24,919	15,000	20,000	0	40,000	20,000	100.00
.00-5-4220-8020 MISCELLANEOUS	0	0	0	0	0	0	0	0.00
TOTAL STREETS AND ALLEYS	97,941	120,154	113,675	125,458	37,457	145,572	20,114	16.03

- 4220-1180 ENGINEERING CURRENT YEAR NOTES:
Small projects & mapping
Ron 7-16
- 4220-1290 PROFESSIONAL SERVICES (CURRENT YEAR NOTES:
Safety contract with safe Assure
Ron 7-16
- 4220-1311 PROFESSIONAL SERVICES (CURRENT YEAR NOTES:
CDI, screening and tasc annual fee
Ron 7-16
- 4220-1350 PHYSICALS CURRENT YEAR NOTES:

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CITY OF PAYNESVILLE
PROPOSED BUDGET REPORT
AS OF: JULY 31ST, 2016

100-GENERAL FUND
STREETS AND ALLEYS

EXPENDITURES	2013 ACTUAL	2014 ACTUAL	2015 ACTUAL	2016		2017		PERCENT VARIANCE
				CURRENT BUDGET	Y-T-D ACTUAL	PROPOSED BUDGET	VARIANCE	
5-4220-5300								
				EQUIPMENT RENTAL/LEASE CURRENT YEAR NOTES: Copier lease Ron 7-16				
5-4220-5400								
				TF TO CAPITAL IMP CURRENT YEAR NOTES: Future Street project and budgeting for a new City Shop Ron 7-16				

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CITY OF PAYNESVILLE
 PROPOSED BUDGET REPORT
 AS OF: JULY 31ST, 2016

100-GENERAL FUND
 ST EQUIPMENT/SEALCOAT

EXPENDITURES	2013 ACTUAL	2014 ACTUAL	2015 ACTUAL	(----- 2016 -----) (----- 2017 -----)		PERCENT VARIANCE
				CURRENT BUDGET	Y-T-D ACTUAL	
100-5-4221-5400 TF TO CAPITAL IMP	70,804	67,577	67,882	67,987	0	67,778 (209) 0.31-
TOTAL ST EQUIPMENT/SEALCOAT	70,804	67,577	67,882	67,987	0	67,778 (209) 0.31-

5-4221-5400 TF TO CAPITAL IMP

CURRENT YEAR NOTES:
 Reference street Equip. Replacement list
 Ron 7-16

CITY OF PAYNESVILLE
 PROPOSED BUDGET REPORT
 AS OF: JULY 31ST, 2016

100-GENERAL FUND
 SIDEWALK

EXPENDITURES	2013 ACTUAL	2014 ACTUAL	2015 ACTUAL	2016		2017		PERCENT VARIANCE
				CURRENT BUDGET	Y-T-D ACTUAL	PROPOSED BUDGET	VARIANCE	
100-5-4222-5400 TF TO CAPITAL IMP	0	0	0	0	0	0	0	0.00
TOTAL SIDEWALK	0	0	0	0	0	0	0	0.00

5-4222-5400 TF TO CAPITAL IMP

CURRENT YEAR NOTES:
 We have 34,900.00 in the sidewalk CIP and we don't have any
 sidewalk expansions planned.
 Ron 7-16

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CITY OF PAYNESVILLE
 PROPOSED BUDGET REPORT
 AS OF: JULY 31ST, 2016

100-GENERAL FUND
 SNOW AND ICE REMOVAL

EXPENDITURES	(----- 2016 -----) (----- 2017 -----)				PERCENT VARIANCE			
	2013 ACTUAL	2014 ACTUAL	2015 ACTUAL	CURRENT BUDGET		Y-T-D ACTUAL	PROPOSED BUDGET	VARIANCE
100-5-4230-1000 SALARIES	13,748	14,309	14,406	14,950	7,448	16,289	1,339	8.96
100-5-4230-1060 FICA WITHHOLDINGS	829	832	823	927	455	1,005	78	8.41
100-5-4230-1070 PERA WITHHOLDINGS	988	1,032	1,072	1,121	595	1,216	95	8.47
100-5-4230-1080 MEDICARE WITHHOLDINGS	194	195	193	217	107	235	18	8.29
100-5-4230-1090 HEALTH INSURANCE	2,079	1,819	2,156	2,177	1,287	2,519	342	15.71
100-5-4230-1300 PROFESSIONAL SERVICES (LEGAL)	0	0	0	150	0	150	0	0.00
100-5-4230-2400 MAINTENANCE & REPAIR OF EQUIP	5,198	2,691	3,198	4,000	678	4,000	0	0.00
100-5-4230-2910 SNOW HAULING	12,994	8,494	3,359	11,500	2,395	8,500	(3,000)	26.09-
100-5-4230-2920 BLADING	13,565	30,116	13,008	24,000	8,565	19,000	(5,000)	20.83-
100-5-4230-3000 GENERAL/OFFICE SUPPLIES	8	29	0	100	0	100	0	0.00
100-5-4230-3001 SAND & SALT	3,498	5,497	6,736	7,000	9,171	7,000	0	0.00
100-5-4230-4100 INSURANCE AND BONDS	0	1,000	0	0	0	0	0	0.00
100-5-4230-5200 NEW EQUIPMENT	59	169	0	500	0	500	0	0.00
100-5-4230-5300 EQUIPMENT RENTAL/LEASE	313	433	477	500	225	500	0	0.00
100-5-4230-5301 LAND/BLDG RENTAL/LEASE	1,500	1,500	1,500	1,500	0	1,500	0	0.00
100-5-4230-5400 TF TO CAPITAL IMP	0	9,221	0	0	0	0	0	0.00
TOTAL SNOW AND ICE REMOVAL	54,974	77,337	46,927	68,642	30,926	62,514	(6,128)	8.93-

- 5-4230-1300 PROFESSIONAL SERVICES (CURRENT YEAR NOTES:
Contract review,
Ron 7-16
- 5-4230-2400 MAINTENANCE & REPAIR OF CURRENT YEAR NOTES:
M & R on Dump truck, tractor, snow blowers etc.
ron 7-16
- 5-4230-2910 SNOW HAULING CURRENT YEAR NOTES:
Down town snow removal
Ron 7-16
- 5-4230-2920 BLADING CURRENT YEAR NOTES:
Snow plowing on all city streets
Ron 7-16
- 5-4230-3001 SAND & SALT CURRENT YEAR NOTES:
We are purchasing for the twp, so we have revenue and will
be purchasing less due to a large stock pile carry over from
the mild winter.
Ron 7-16
- 5-4230-5300 EQUIPMENT RENTAL/LEASE CURRENT YEAR NOTES:
Copier lease
Ron 7-16
- 5-4230-5301 LAND/BLDG RENTAL/LEASE CURRENT YEAR NOTES:

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CITY OF PAYNESVILLE
 PROPOSED BUDGET REPORT
 AS OF: JULY 31ST, 2016

100-GENERAL FUND
 STREET LIGHTING

EXPENDITURES	2013 ACTUAL	2014 ACTUAL	2015 ACTUAL	(----- 2016 -----) (----- 2017 -----)		PROPOSED BUDGET	VARIANCE	PERCENT VARIANCE
				CURRENT BUDGET	Y-T-D ACTUAL			
100-5-4260-2200 UTILITIES	53,816	46,859	46,204	49,000	24,229	49,000	0	0.00
100-5-4260-2401 WHITEWAY UPKEEP	0	0	0	850	0	850	0	0.00
TOTAL STREET LIGHTING	53,816	46,859	46,204	49,850	24,229	49,850	0	0.00
5-4260-2200 UTILITIES				CURRENT YEAR NOTES: Street light Xcel utility expences Ron 7-16				
5-4260-2401 WHITEWAY UPKEEP				CURRENT YEAR NOTES: Downtown street lights M & R Ron 7-16				

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ITEM	SERIAL #	MODEL	YEAR ACQ'D	LIFE	ORIGINAL COST	REPLACE COST	ANNUAL COST
WATER DEPARTMENT REPLACEMENT LIST							
WATER TREATMENT PLANT							
FILTER,WR,INDUCED DRAFT,4 CELL FILTER		TONKA DURALATOR II	2014	30	340,000	371,527	12,384
PROCESSING PIPE,VALVES & FITTINGS			2014	30	225,000	245,864	8,195
1 - BACKWASH PUMP 15 HP 1200 RPM 480V VFD			2014	15	10,700	11,692	779
2 - TRANSFER PUMPS 15 HP 1200 RPM 480V VFD			2014	15	21,400	23,384	1,559
2 - HIGH SERVICE PUMPS 75 HP 1770 RPM 480V VFD			2014	15	50,000	54,636	3,642
AIRWASH BLOWER 15 HP 2550 RPM 480V VFD		SUTOBILT	2014	15	15,000	16,391	1,093
CHEMICAL FEED EQUIPMENT			2014	15	130,000	142,055	9,470
RECLAIM PUMP 5 HP 1760 RPM 480V		HYDROMATIC	2014	15	7,500	8,195	546
SLUDGE PUMP 5 HP 1760 RPM 480V		HYDROMATIC	2014	15	7,500	8,195	546
AIR COMPRESSOR			2014	15	13,000	14,205	947
EMERGENCY GENERATOR		CAT	2014	15	75,000	81,955	5,464
VARIABLE FREQUENCY DRIVES, EATCN (6 TOTAL)			2014	10	65,000	71,027	7,103
VALVES (24 @ 3,750)	DEZURIK	AIR OPERATED	2014	20	90,000	98,345	4,917
					1,050,100	1,147,473	56,647
WELL # 4							
PUMP, WELL, SUBMERSIBLE TURBINE, 1040 GPM, 40 HP		JACUZZI	1989	25			
WELL, 110' DEEP, 70' CASING, 40' SCREEN			1989	25			
*****MAINTAINED BY STATE*****							
WELL # 5							
ELECTRIC CONTROLS FOR WELLS #5 & 6, DYNAMIC SYSTEMS, 480 VAC, 100 AMP			1994	25	24,975	38,798	1,552
PUMP, WELL, SUBMERSIBLE TURBINE 500 GPM, 20 HP GRUNDFOS 625-S-1		600S300-2-Z-20	1994	15	5,290	8,225	548
WELL, 90' DEEP, 65' CASING, 25' SS SCREEN			1994	25	21,030		
DEPTH TRANSDUCER	982257	700-140-00100					
WELL REHAB				10		13,833	1,383
					51,295	60,856	3,484

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ITEM	SERIAL #	MODEL	YEAR ACQ'D	LIFE	ORIGINAL COST	REPLACE COST	ANNUAL COST
WELL # 6							
PUMP, WELL, SUBMERSIBLE TURBINE, 500 GPM, 20 HP, GRUNDFOS 625-S-1		600S300-2-Z-20	1994	15	5,290	8,225	548
WELL, 97' DEEP, 75' CASING, 22' SS SCREEN			1994	25	22,665		
WELL REHAB				10		13,833	1,383
					27,955	22,058	1,932
WELL # 7							
PUMP, WELL, SUBMERSIBLE TURBINE, GOULDS, 500 GPM, 20 HP	431702	SN00J19-01-0182	2000	15	5,467	7,640	509
WELL, 110' DEEP, 80' CASING, 30' SS SCREEN			2000	25	88,183		
WELL REHAB				10		13,833	1,383
					93,650	21,473	1,893
WELL #8							
PUMP, WELL SUBMERSIBLE TURBINE, GOULDS, 650 GPM, 30 HP	437558	7THC	2001	15	10,936	15,127	1,008
WELL, 155' DEEP, 115' CASING, 40' SS SCREEN			2001	25	86,783		
WELL REHAB				10		13,833	1,383
VARIABLE FREQUENCY DRIVE			2009	10	6,553	7,597	760
					104,272	36,557	3,151
WATER TOWER (NON ELEVATED)							
WATER STORAGE TANK, 500,000 GAL CAPACITY, WELDED STEEL, CONCRETE FOUNDATION			1979	50	112,300	302,116	6,042
REFURBISHING/PAINTING				15		207,496	13,833
FUTURE TOWER REPLACEMENT							5,000
					112,300	509,612	24,875
CITY SHOP-WATER EQUIPMENT							
GENERATOR ON TRL, ATLAS COPCO	699024		1999	15	14,378	20,337	1,356
GENERATOR, JOHN DEERE ENGINE	T04039T455670	4039T	SOLD AS				
FELLING TRL	1F9FS1023S1072659	FT7P	UNIT				
F 150 Ron's vehicle	1FTEX1EM2DKG13024	F 150	2013	10	20,541	20,541	2,054
Trimble GPS Pathfinder	213813-00300-00000	Frontier	2015	10	10,971	10,971	1,097
					45,890	51,849	4,507

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	ITEM	SERIAL #	MODEL	YEAR ACQ'D	LIFE	ORIGINAL COST	REPLACE COST	ANNUAL COST
	CITY HALL-WATER EQUIPMENT							
	SENSUS-HANDHELD-METER READER	5005-SD-138502 B	AR5001	2008	10	4,963	5,926	593
	SENSUS-MXU & SOFTWARE			2015	20	135,000	135,000	6,750
						139,963	140,926	7,343
	WATER DEPARTMENT TOTALS					1,625,425	1,990,803	103,831

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ITEM	SERIAL #	MODEL	YEAR ACQ'D	LIFE	ORIGINAL COST	REPLACE COST	ANNUAL COST
SEWER EQUIPMENT REPLACEMENT LIST							
MAIN LIFT STATION							
PARKSON MECHANICAL BAR SCREEN	P0201033802/P0430070902	AQUA GUARD & WASHPRESS UNITS	2013	20	219,890	240,280	12,014
GRIT SEPERATOR/CHAMBER	03-02504-F	PISTA GRIT REMOVAL	2013	20	77,770	84,981	4,249
GRIT CLASSIFIER	12DW09153-02	WEMCO HYDROGRITTER SEPARATOR	2013	20	47,960	52,407	2,620
GRIT PUMP	12DW09153-01	WEMCO TORQUE-FLOW	2013	20	28,820	31,493	1,575
GROUP PIPING, VALVES & FITTINGS INSIDE BUILDING			2013	40	103,500	31,038	776
GROUP POWER ELECTRICAL CONTROLS			2013	20	309,880	338,614	16,931
HYDRAULIC SLIDE GATES		WHIPPS ALUMINUM STOP GATES	2013	30	10,120	11,059	369
PUMP, SEWAGE, VERTICAL, 1040 GPM W/VFD 30 HP DRIVE MOTOR	2286293-0	FAIRBANKS MORSE 5" C5446 VERTICAL CLOSE COUPLED PUMP	2013	20	32,890	32,673	1,634
PUMP, SEWAGE, VERTICAL, 1040 GPM W/VFD 30 HP DRIVE MOTOR	2286293-1	FAIRBANKS MORSE 5" C5446 VERTICAL CLOSE COUPLED PUMP	2013	20	32,890	32,673	1,634
PUMP, SEWAGE, VERTICAL, 1040 GPM W/VFD 30 HP DRIVE MOTOR	2286293-2	FAIRBANKS MORSE 5" C5446 VERTICAL CLOSE COUPLED PUMP	2013	20	32,890	32,673	1,634
SEWAGE SAMPLER	682950001		2013	10	8,800	9,616	962
175 KW CAT OLYMPIAN NATURAL GAS GENERATOR		G175LG4	2013	20	104,720	114,431	5,722
MAIN LIFT STATION				50	1,230,455	1,344,552	26,891
Hot water Pressure washer	0514 4076	157595	2014	20	7,500	7,500	375
					2,248,085	2,356,489	77,008
IRRIGATION PUMP HOUSE							
NEW IRRIGATION PIVOT			2013	30	222,792	243,451	8,115.04
IRRIGATION PIVOT #11, 1287'	230490		2007	30	59,534	75,225	2,508
IRRIGATION PIVOT #12, 963'	L63605		1998	30	32,500	75,225	2,508
IRRIGATION PIVOT #14, 1322'	L22269		1985	30	37,000	75,225	2,508
IRRIGATION PIVOT #15, 1322'	L23015		1985	30	37,000	75,225	2,508
IRRIGATION PIVOT #17, 1275'	L21014		1985	30	35,700	75,225	2,508
IRRIGATION PIVOT #2, 1073'	L22900		1985	30	30,000	75,225	2,508
IRRIGATION PIVOT #3, 1292'	230507		2007	30	64,433	75,225	2,508

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ITEM	SERIAL #	MODEL	YEAR ACQ'D	LIFE	ORIGINAL COST	REPLACE COST	ANNUAL COST
IRRIGATION PIVOT #6, 1529'	L22707		1985	30	42,800	75,225	2,508
IRRIGATION PIVOT #8, 1303'	L22389		1985	30	36,500	75,225	2,508
IRRIGATION PIVOT #19A			2010	30	45,000	50,648	1,688
IRRIGATION PIVOT #19B			2010	30	45,000	50,648	1,688
IRRIGATION PIVOT #20, 1276'	L53355		1995	30	35,500	75,225	2,508
IRRIGATION PIVOT #21			2010	30	120,000	135,061	4,502
BAR SCREEN, TRAVELING, MECHANICAL			1987	20	25,450	50,437	2,522
FLOW METER		MAPCO 9000	1985	15	13,565	26,693	1,780
GROUP AUTOMATIC ELECTRICAL CONTROLS			1985	40	95,700	345,829	8,646
VALVES AND FITTINGS			1985	30	48,700	82,999	2,767
PUMP, VERTICAL TURBINE, 1400 GPM, 1770 RPM, 210 TDH, 100 HP MOTOR W/ VFD	2303128-0	FAIRBANKS MORSE 13F - 7100 VERTICAL TURBINE PUMP	2013	20	38,082	41,614	2,081
PUMP, VERTICAL TURBINE, 1400 GPM, 1770 RPM, 210 TDH, 100 HP MOTOR W/ VFD	2303128-1	FAIRBANKS MORSE 13F - 7100 VERTICAL TURBINE PUMP	2013	20	38,082	41,614	2,081
PUMP, VERTICAL TURBINE, 1400 GPM, 1770 RPM, 210 TDH, 100 HP MOTOR W/ VFD	2303128-2	FAIRBANKS MORSE 13F - 7100 VERTICAL TURBINE PUMP	2013	20	38,082	41,614	2,081
PUMP, VERTICAL TURBINE, 1400 GPM, 1770 RPM, 210 TDH, 100 HP MOTOR W/ VFD	2303128-3	FAIRBANKS MORSE 13F - 7100 VERTICAL TURBINE PUMP	2013	20	38,082	41,614	2,081
PUMP, VERTICAL TURBINE, 1400 GPM, 1770 RPM, 210 TDH, 100 HP MOTOR W/ VFD	2303128-4	FAIRBANKS MORSE 13F - 7100 VERTICAL TURBINE PUMP	2013	20	38,082	41,614	2,081
PUMP, VERTICLE TURBINE, SIZE 14, TYPE DKL, 1500 GPM, 1770 RPM, 210 TDH, 100 HP GE DRIVE MOTOR		PEABODY 5K6257XW5000	1985	20	8,730	31,344	1,567
VARIABLE SPEED FREQUENCY DR 100 HP	E60453	ABB	1994	10	10,866	31,344	3,134
PUMP HOUSE ELECTRICAL & CONTROLS			2013	20	281,709	307,831	15,392
PUMP PIPING & VALVES			2013	40	30,000	32,782	820
2005 IRRIGATION PIPING PROJECT		18" C905 Pipe	2005	50	502,000	694,424	13,888
POND DEPRECIATION							30,000
SEWER INTERCEPTOR							
					2,050,889	3,043,811	131,987

ITEM	SERIAL #	MODEL	YEAR ACQ'D	LIFE	ORIGINAL COST	REPLACE COST	ANNUAL COST
DETENTION BASIN PUMP CHAMBER							
PUMP CHAMBER, DETENTION POND, PRECAST CONCRETE BELOW GRADE, 12 1/2' DIAMETER X 19' DEEP, ONE SUBMERSIBLE PUMP, 4000 GPM, 27 1/2 TDH , INCLUDES PIPE, VALVES AND FITTINGS			1985	30	35,000	71,933	
PUMPS AND CONTROLS				30		27,666	922
					35,000	99,599	922
SEWER RESERVE TOTALS					4,333,974	5,499,899	209,918

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ITEM	SERIAL #	MODEL	YEAR		ORIGINAL COST	REPLACE COST	ANNUAL COST
			ACQ'D	LIFE			
SEWER DEPARTMENT REPLACEMENT LIST-CAPITAL IMPROVEMENT							
SOUTH HIGHWAY 55 LIFT STATION							
LIFT STATION, SOUTH HIGHWAY 55, STRUCTURE BELOW GRADE, SMITH AND LOVELESS S/N 07-5228 STEEL PACKAGED UNIT W/PRECAST 4' DIAMETER WET WELL, 2 PUMPS, 3 HP 225 GPM W/AIR CONTROLS, ELECTRICAL CONTROLS AND PIPING			1969	30	12,400	75,529	2,518
PUMPS AND CONTROLS				30		34,583	1,153
Stand by Power Unit Cummins	C140658876	40 kw NG	2014	30	15,225	15,225	508
					27,625	125,337	4,178
WEST END LIFT STATION							
LIFT STATION, WEST END, HYDROMATIC SUBMERSIBLE, 2-5HP MOTORES, 225 GMP, 30' TDH	S36222 & S36223	S4PX500EC	1998	30	49,825	75,667	
PUMPS AND CONTROLS				25		34,583	1,383
					49,825	110,250	1,383
OAK PARK LIFT STATION							
LIFT STATION, OAK PARK, STRUCTURE BELOW GRADE, PRECAST CHAMBER, 5' DIAMETER, 22 1/2' DEEP, TWO SUBMERSIBLE 75 GPM 2 HP HYDROMATIC PUMPS, INCLUDES PIPE, VALVES AND FITTINGS (SINGLE PHASE)		SPGL00V72	1978	30	13,000	41,638	
PUMPS AND CONTROLS				25		20,751	830
					13,000	62,389	830
CENTRAL LIFT STATION							
LIFT STATION, CENTRAL, STRUCTURE BELOW GRADE, PRECAST CHAMBER, 5' DIAMETER, 22 1/2' DEEP, TWO SUBMERSIBLE 75 GPM 2 HP PUMPS, INCLUDES PIPE, VALVES AND CONNECTIONS (SINGLE PHASE)		SPGL00V72	1978	30	13,000	41,638	
PUMPS AND CONTROLS				30		20,751	692
					13,000	62,389	692

ITEM	SERIAL #	MODEL	YEAR ACQ'D	LIFE	ORIGINAL COST	REPLACE COST	ANNUAL COST
LYNDALL LIFT STATION							
LIFT STATION, LYNDALL LIFT, STRUCTURE BELOW GRADE, PRECAST CHAMBER, 5' DIAMETER, 22 1/2' DEEP, TWO SUBMERSIBLE 75 GPM 2 HP HYDROMATIC PUMPS, INCLUDES PIPE, VALVES AND CONNECTIONS (SINGLE PHASE)		SPGL00V72	1978	30	13,000	41,638	
PUMPS AND CONTROLS				30		20,751	692
					13,000	62,389	692
WILGLO LIFT STATION							
LIFT STATION, WILGLO LIFT, STRUCTURE BELOW GRADE, PRECAST CHAMBER, 6' DIAMETER, 23' DEEP, 230 VOLT SINGLE PHASE POWER, 2 SUBMERSIBLE 3HP PUMPS, 140 GPM INCLUDES PIPE, VALVES & CONNECTIONS			2001	30	38,700	53,534	
PUMPS AND CONTROLS				30		26,282	876
					38,700	79,816	876
MAYWOOD LIFT STATION							
LIFT STATION, MAYWOOD LIFT, STRUCTURE BELOW GRADE, 2 SUBMERSIBLE 5 HP MOTORS, 290 GPM @ 28.2'	S33717,S33718	S4NX500FC	2003	30	32,600	45,095	
PUMPS AND CONTROLS				30		26,282	876
					32,600	71,377	876

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ITEM	SERIAL #	MODEL	YEAR ACQ'D	LIFE	ORIGINAL COST	REPLACE COST	ANNUAL COST
PONDS							
AERATOR/MIXER UNITS	MK3-804-984	LAS INT'L MARK 3	1999	20	164,254	232,334	11,617
	MK3-804-985						
	MK3-804-986						
	MK3-804-987						
	MK3-804-988						
	MK3-804-989						
	MK3-804-990						
	MK3-804-991						
	MK3-804-992						
	MK3-804-993						
MOTOR KITS, 480 VOLT, 3 PHASE	MK3-802-402	LAS INT'L MARK 3	1999	15	1,500	2,122	141
	MK3-802-403						
	MK3-802-404						
	MK3-802-405						
	MK3-802-406						
CONTROL PANEL		LAS INT'L MARK 3	1999	20	5,500	7,780	389
WINCH KITS		LAS INT'L MARK 3	1999				
5,000' OF CABLE		LAS INT'L MARK 3	1999				
20 CABLE CLAMPS		LAS INT'L MARK 3	1999				
20 CABLE THIMBLES		LAS INT'L MARK 3	1999				
WIND SPEED CONTROL SYSTEM		LAS INT'L MARK 3	1999				
2,000' OF SUBMERSIBLE ELECTRICAL CABLE		LAS INT'L MARK 3	1999				
FESTOON RINGS		LAS INT'L MARK 3	1999				
ELECTRICAL DISCONNECT BOXES		LAS INT'L MARK 3	1999				
					171,254	242,236	12,147
SEWER CAPITAL IMPROVEMENT TOTALS					359,004	816,185	21,674

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ITEM	SERIAL #	MODEL	YEAR ACQ'D	LIFE	ORIGINAL COST	REPLACE COST	ANNUAL COST
SEWER DEPARTMENT REPLACEMENT LIST							
CITY SHOP/STORAGE SHED-SEWER EQUIPMENT							
2004 SECA MODEL 747-2000TV TRAILER JETTER	3353	747-2000TV	2004	20	55,400	76,635	3,832
PICKUP, 1991, FORD RANGER	1FTCR10A4MUD71517	FORD RANGER	1991	10	8,368	27,666	2,767
GENERATOR ON TRL,PORTABLE, HOLLINGSWORTH	114	JHE-15	1970	15	3,100	15,519	1,035
PROCAM DVD ULTRA CAMERA SYSTEM	2650601298	UEMSI 15	2007	10	5,702	7,149	715
PICKUP FORD 2011 F250 Bob's	1FTBF2B64BED08878	FORD F250	2011	10	21,000	27,318	2,732
SEWER DEPARTMENT TOTALS					93,570	154,288	11,080
SEWER DEPARTMENT TOTALS (INCLUDING CAPITAL IMPROVEMENT)					452,574	970,472	32,754

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ITEM	SERIAL #	MODEL	YEAR ACQ'D	LIFE	ORIGINAL COST	REPLACE COST	ANNUAL COST
SEWER DEPARTMENT REPLACEMENT LIST-PRETREATMENT POND RESERVE							
CONTINENTAL CENTRIFUGAL BLOWERS	131510010	151.06	2013	20	73,627	80,454	4,023
CONTINENTAL CENTRIFUGAL BLOWERS	131510011	151.06	2013	20	73,627	80,454	4,023
CONTINENTAL CENTRIFUGAL BLOWERS	131510012	151.06	2013	20	73,627	80,454	4,023
EDI FLOATING FINE BUBBLE AERATION SYSTEM			2013	20	438,460	479,117	23,956
GROUP PIPING, VALVES & FITTINGS INSIDE BUILDING			2013	40	28,600	31,252	781
GROUP ELECTRICAL & CONTROLS			2013	20	281,709	307,831	15,392
UNDERGROUND EXTERIOR PIPING			2013	40	132,000	144,240	3,606
550 KW CAT DIESEL GENERATOR SET		C18	2013	20	157,080	171,645	8,582
ELECTRICAL ROOM ADDITION			2013	50	64,000	69,935	1,399
SEWER-PRETREATMENT POND RESERVE TOTALS					1,322,730	1,445,383	65,784

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ITEM	SERIAL #	MODEL	YEAR ACQ'D	LIFE	ORIGINAL COST	REPLACE COST	ANNUAL COST
STREET DEPARTMENT REPLACEMENT LIST							
CITY SHOP							
DUMP TRUCK, 1991, FORD SANDER	1FDYS82A0MVA13708	L8000	2005	15	21,900	67,151	4,477
SNOW PLOW							
SNOWBLOWER 108"	Y1080DT	FARM KING	2006	5	5,500	7,823	1,565
2005 STREET SWEEPER (PURCHASED USED)		ELGIN PELICAN MDLS	2013	20	52,000	52,000	2,600
TRACTOR, BI DIRECTIONAL W/7414 LOADER		NEW HOLLAND TV6070	2016	20	94,900	97,747	4,887
FORD, F150, 4 X 4 PICKUP, 2003 Part Time	1FTRF1AW43NB77016	FORD F150	2003	10	17,189	26,860	2,686
FORD, F250, 4 X 4 PICKUP, 2015 Brad's	1FT7X2B65FED10163	FORD F250	2015	10	29,347	29,347	2,935
					220,836	251,582	16,215
CITY STORAGE GARAGE							
BRUSH CHIPPER 12'	IVRY1119861007171	VERMEER BC1000XL	2006	10	7,954	29,590	2,959
ROLLER PACKER, 30"	21453	ROSCO VIBRASTAT II	1968	20	1,250	6,779	339
SKID LOADER, 2008	N8M496659	NEW HOLLAND L175	2008	10	15,442	20,867	2,087
AERIAL TRUCK, FORD, 1 TON W/VERSA LIFT	1FTWF32S87ED45476	FORD	2004	10	20,000	27,666	2,767
PAINING STREETS				7	20,000	23,881	3,412
SEALCOATING-ANNUAL COST ESTIMATE		All Streets two coatings in 20 years					40,000
					64,646	108,783	51,563
STREET DEPARTMENT TOTALS					285,482	360,364	67,778

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ITEM	SERIAL #	MODEL	YEAR ACQ'D	LIFE	ORIGINAL COST	REPLACE COST	ANNUAL COST
PARK DEPARTMENT REPLACEMENT LIST							
CITY SHOP-PARK EQUIPMENT							
TRACTOR, JOHN DEERE W/FRONT MOUNT MOWER	TC1445D040310	JD1445	2004	5	17,000	22,831	4,566
17' FLEXWING MOWER SITREX	185655	SM5200	2007	10	12,224	22,831	2,283
Z TURN MOWER, MASSEY			2012	10	10,000	10,927	1,093
F 150 4x4 2013 Lee's		Ford F 150 4x 4	2013	10	23,000	23,000	2,300
					62,224	56,590	10,242
PARK BUILDINGS & SHELTERS							
BUILDING, PARK RESTROOM, GAZEBO PARK			1994	35	19,500	30,218	863
PICNIC SHELTER, GAZEBO PARK			1994	25	4,700	10,073	403
GAZEBO, CITY PARK			1984	30	13,800	28,204	940
GAZEBO, CITY PARK		Sprinkler system	2012	30	10,000	10,927	364
SPLASH PAD PHASE 1			2013	20	24,000	-	-
NORTH PICNIC SHELTER, BEACH			1976	25	1,500	10,073	403
SOUTH PICNIC SHELTER, BEACH			1976	25	1,500	10,073	403
L SHAPED PICNIC SHELTER, BEACH			1976	25	1,700	10,073	403
OBSERVATION TOWER, BEACH			2000	20	4,400	6,715	336
BUILDING, BEACH BATH HOUSE			1976	40	15,800	54,087	1,352
PICNIC SHELTER, NATURE PARK			2000	20	5,900	8,057	403
BUILDING, RESTROOM, NATURE PARK			2000	20	5,500	7,521	376
VETERAN'S PARK SHELTER			2009	50	152,575	176,876	3,538
COMMUNITY PARK SHELTER			2015	50	45,000	-	-
FUTURE PROJECTS							25,000
					305,875	362,898	34,784
PARK DEPARTMENT TOTALS					368,099	419,488	45,026

ITEM	SERIAL #	MODEL	YEAR ACQ'D	LIFE	ORIGINAL COST	REPLACE COST	ANNUAL COST
AIRPORT DEPARTMENT REPLACEMENT LIST							
ZETOR TRACTOR	S332008992B	3320	2002	20	15,900	21,354	1,068
FINISHING MOWER		WALCO 90RD	2002	10	1,495	2,008	201
AIRPORT DEPARTMENT TOTALS					17,395	23,363	1,269
REPLACEMENT RECAP							
WATER DEPARTMENT					1,625,425	1,990,803	103,831
SEWER RESERVE					4,333,974	5,499,899	209,918
SEWER DEPARTMENT (INCLUDING CIP)					452,574	970,472	32,754
PRETREATMENT POND RESERVE					1,322,730	1,445,383	65,784
STREET DEPARTMENT					285,482	360,364	67,778
PARK DEPARTMENT					368,099	419,488	45,026
AIRPORT DEPARTMENT					17,395	23,363	1,269

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